

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089465.D
 Acq On : 3 Feb 2015 15:40
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Feb 04 00:34:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	59207	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	234127	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	100469	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	193248	5.00	ng	0.00
20) Chrysene-d12	23.79	240	189871	5.00	ng	0.00
27) Perylene-d12	25.49	264	180237	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	193553	9.77	ng	0.00
4) Phenol-d6	8.85	99	239535	10.30	ng	0.00
8) Nitrobenzene-d5	10.79	82	187277	10.96	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	44014	16.76	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	262662	9.37	ng	0.00
22) Terphenyl-d14	22.43	244	283211	12.94	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.52	42	121108	12.72	ng	# 79
5) Phenol	8.87	94	257593m	10.31	ng	
6) bis(2-Chloroethyl)ether	9.01	93	184343	10.11	ng	# 99
9) Nitrobenzene	10.84	77	211565	10.91	ng	98
10) 2,4-Dimethylphenol	11.78	122	152747	10.98	ng	98
11) 2,4-Dichlorophenol	12.16	162	115371	11.00	ng	90
12) Hexachlorobutadiene	12.81	225	69576	9.43	ng	99
16) 2,4-Dinitrophenol	16.85	184	18482	30.57	ng	# 78
18) Hexachlorobenzene	19.18	284	96384	9.50	ng	98
19) Pentachlorophenol	19.61	266	37402	31.38	ng	97
21) Benzidine	22.10	184	94872	7.01	ng	99
23) Benzo(a)anthracene	23.78	228	1775482	11.59	ng	97
24) 3,3'-Dichlorobenzidine	23.77	252	160472	11.91	ng	# 86
25) Chrysene	23.82	228	1665393	9.07	ng	93
26) Indeno(1,2,3-cd)pyrene	26.97	276	498940	9.28	ng	99
28) Benzo(b)fluoranthene	25.05	252	413295	16.80	ng	98
29) Benzo(k)fluoranthene	25.08	252	459952	10.17	ng	99
30) Benzo(a)pyrene	25.42	252	407183	14.76	ng	97
31) Dibenzo(a,h)anthracene	27.00	278	428190	12.95	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

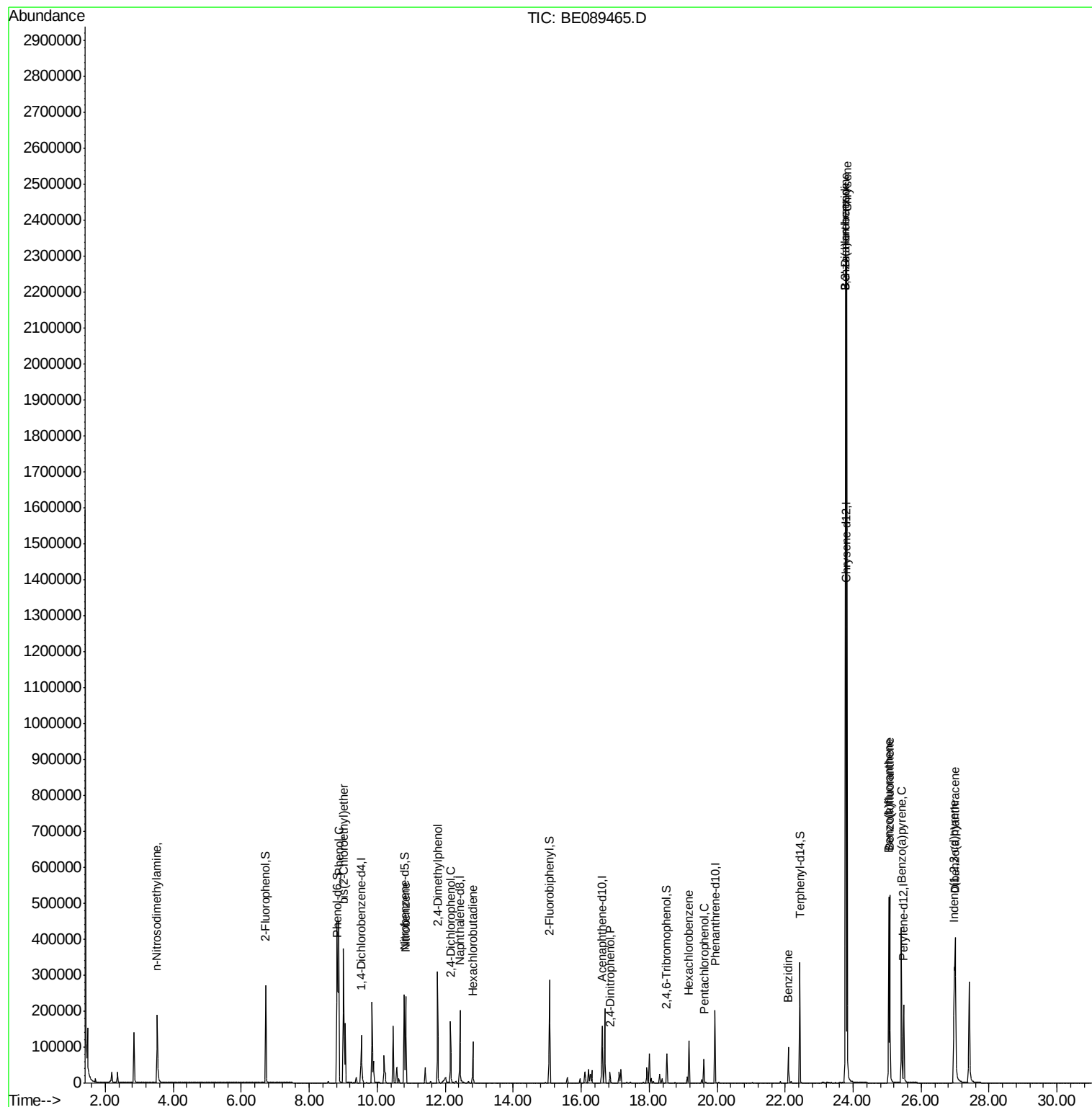
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
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ALS Vial : 2 Sample Multiplier: 1

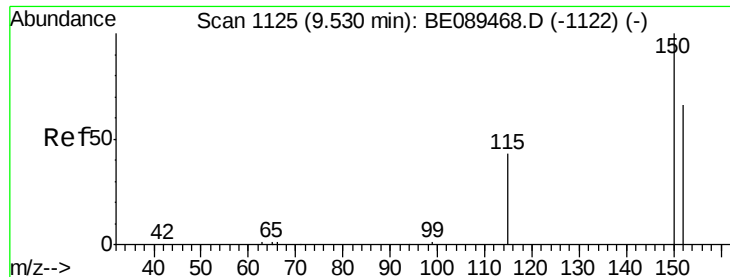
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:22:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089465.D

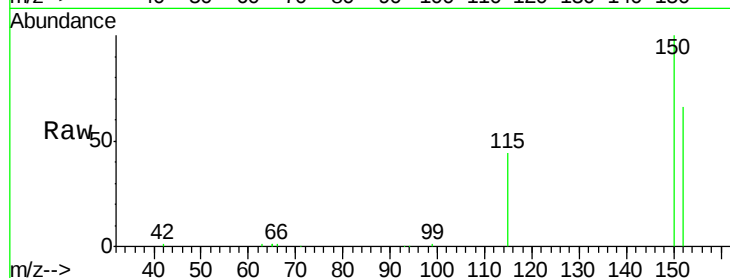
Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010



Tgt Ion:152 Resp: 59207

Ion Ratio Lower Upper

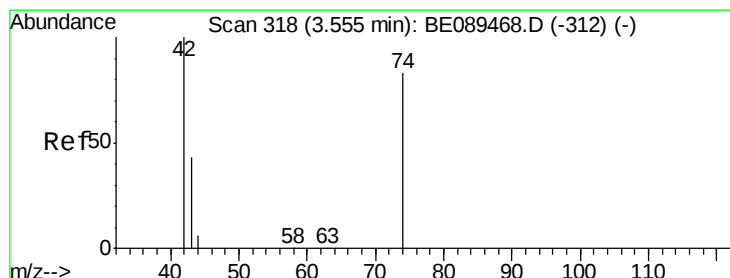
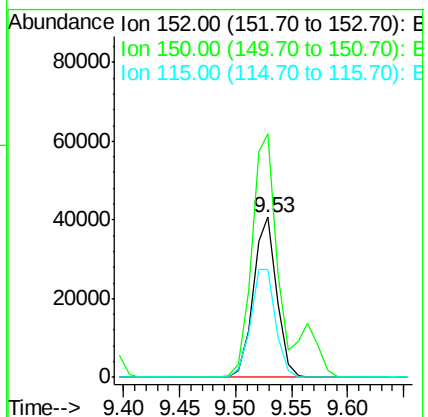
152 100

150 151.8 122.1 183.1

115 67.1 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 12.72 ng

RT: 3.52 min Scan# 313

Delta R.T. -0.03 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

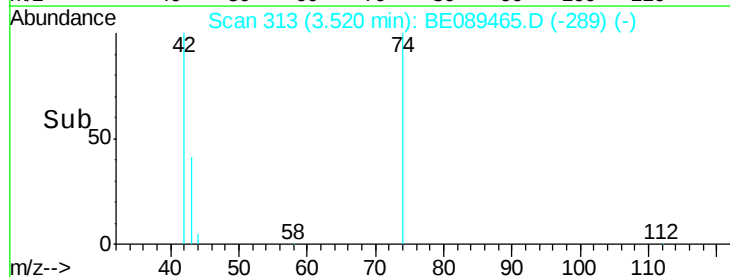
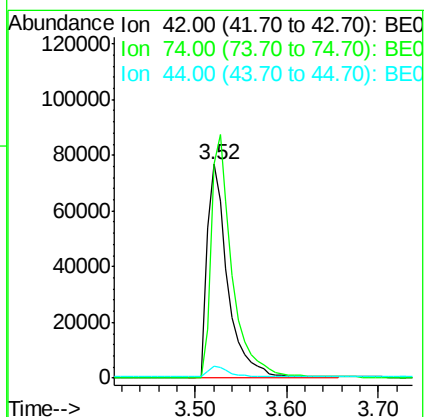
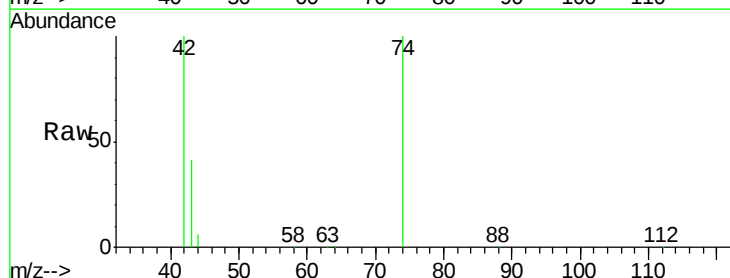
Tgt Ion: 42 Resp: 121108

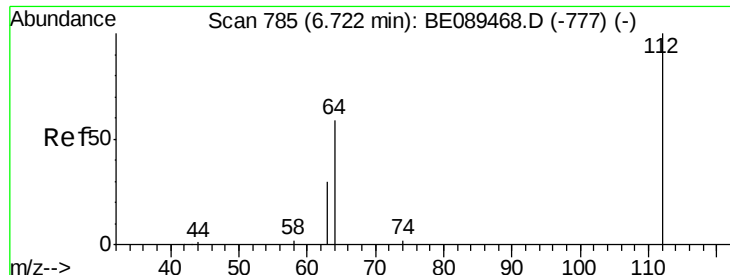
Ion Ratio Lower Upper

42 100

74 100.1 65.4 98.2#

44 5.6 11.7 17.5#





#3

2-Fluorophenol

Concen: 9.77 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE089465.D

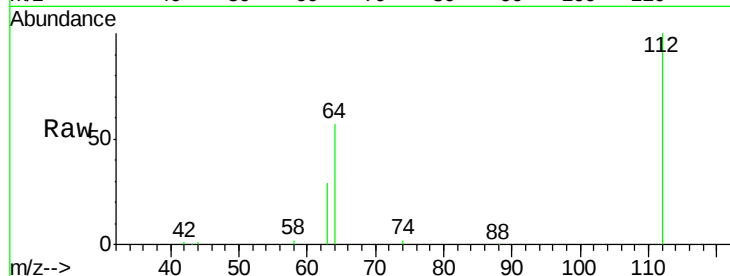
Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

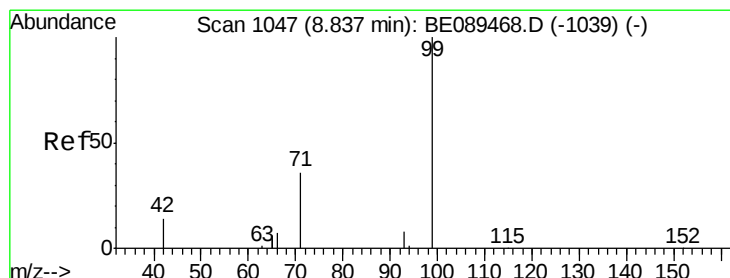
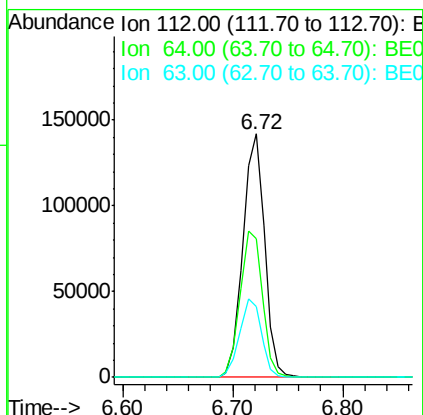
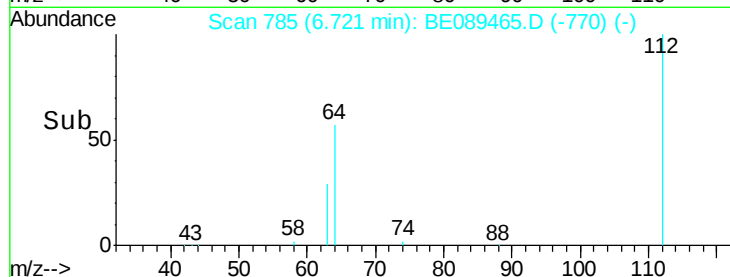
SSTDICC010



Tgt Ion:	112	Resp:	193553
Ion Ratio	Lower	Upper	
112	100		
64	56.9	47.0	70.6
63	28.8	24.2	36.2

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#4

Phenol-d6

Concen: 10.30 ng

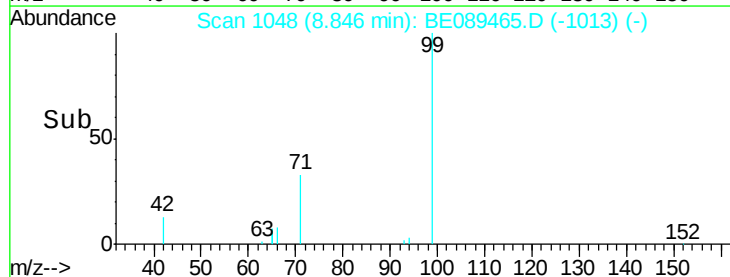
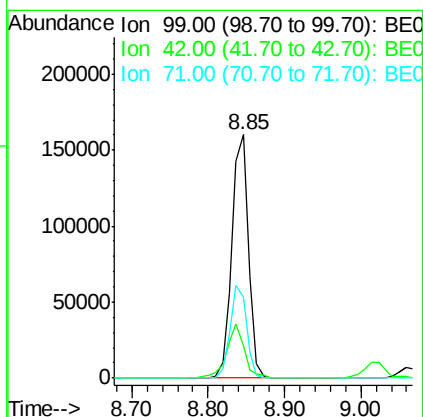
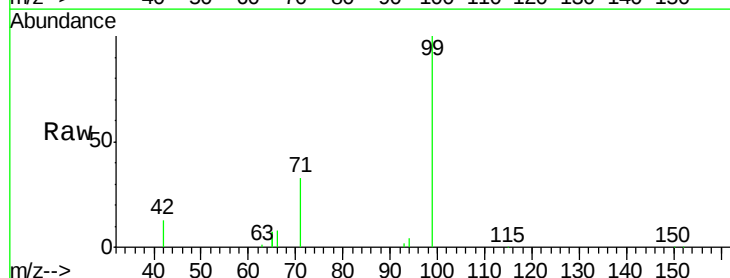
RT: 8.85 min Scan# 1048

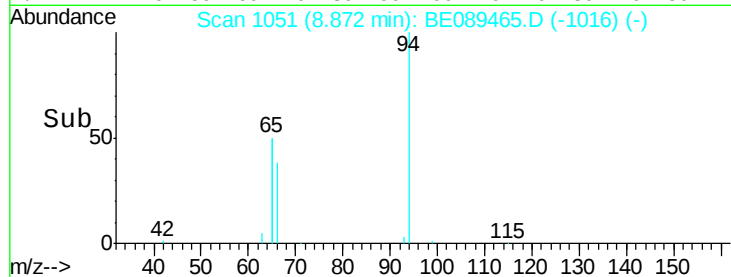
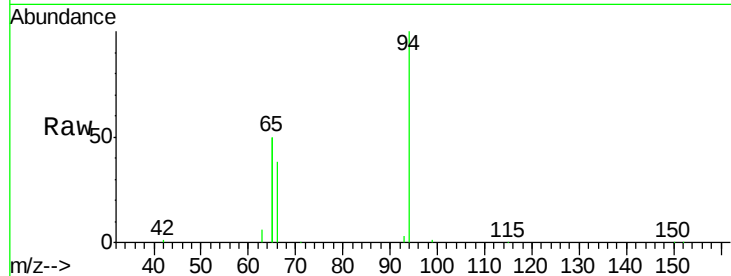
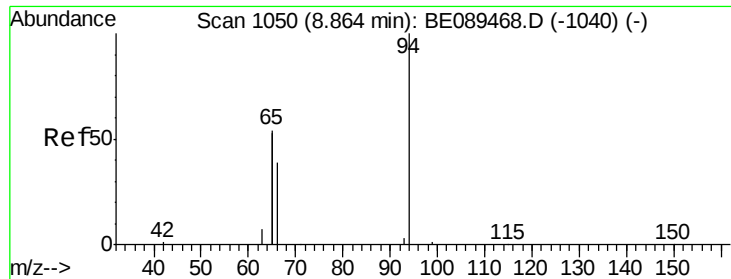
Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Tgt Ion:	99	Resp:	239535
Ion Ratio	Lower	Upper	
99	100		
42	13.5	11.8	17.6
71	33.2	28.7	43.1





#5

Phenol

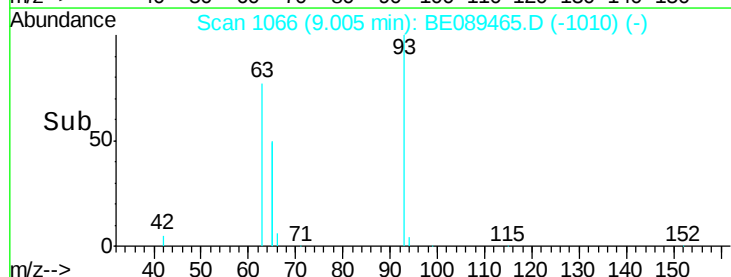
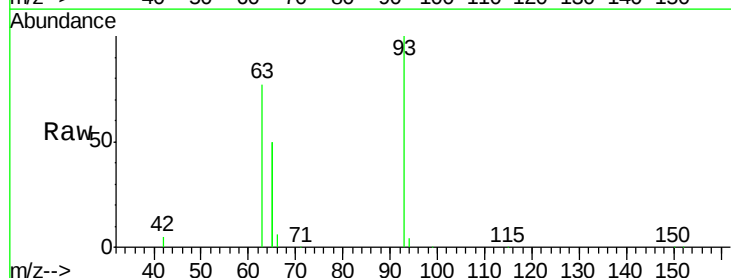
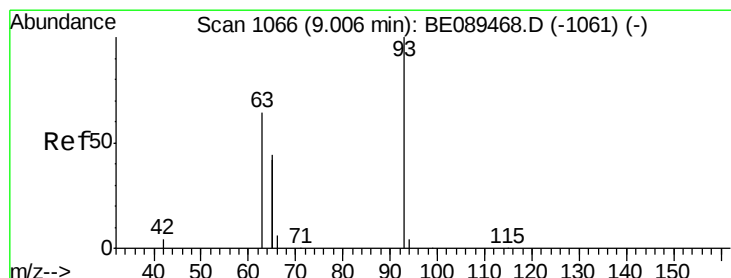
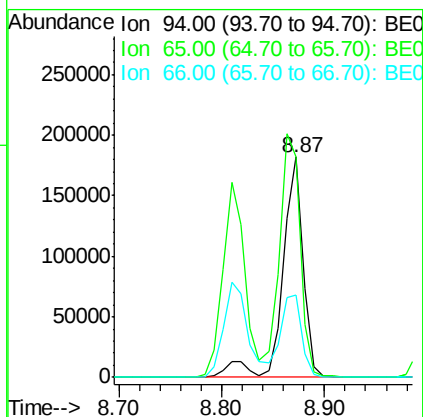
Concen: 10.31 ng m
RT: 8.87 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
94	100		
65	50.0	33.9	73.9
66	37.6	19.1	59.1

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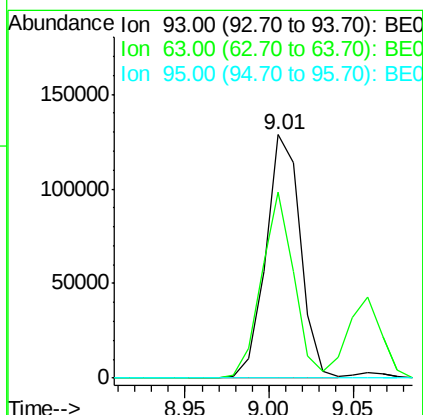


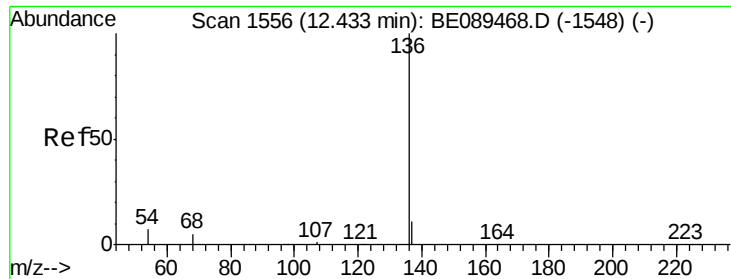
#6

bis(2-Chloroethyl)ether

Concen: 10.11 ng
RT: 9.01 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.9	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

Tgt Ion: 136 Resp: 234127
Ion Ratio Lower Upper

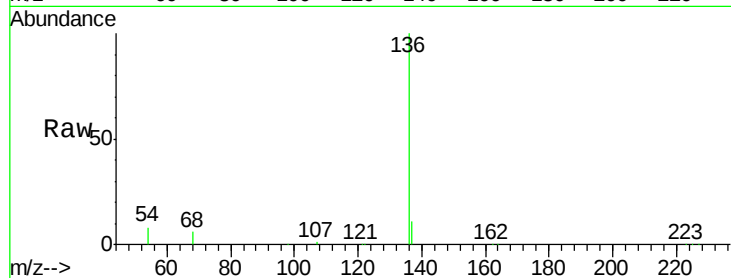
136 100

137 10.8 8.6 13.0

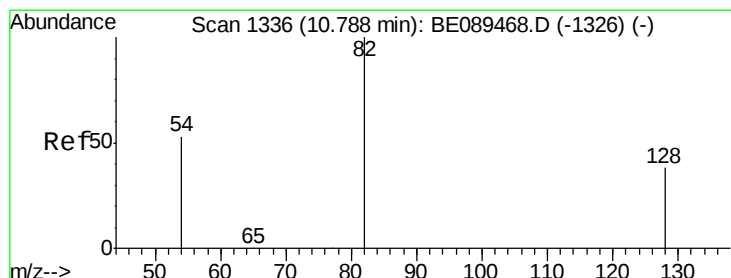
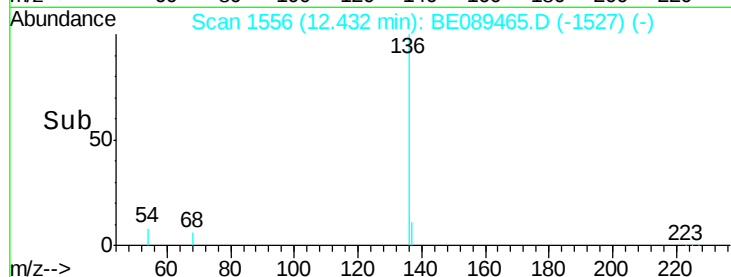
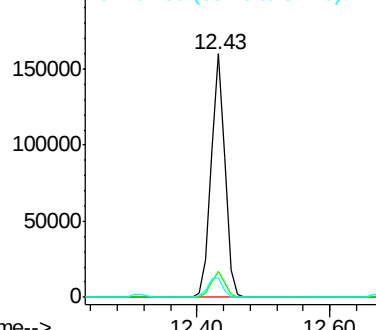
54 8.1 5.4 8.0#

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 10.96 ng

RT: 10.79 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BE089465.D

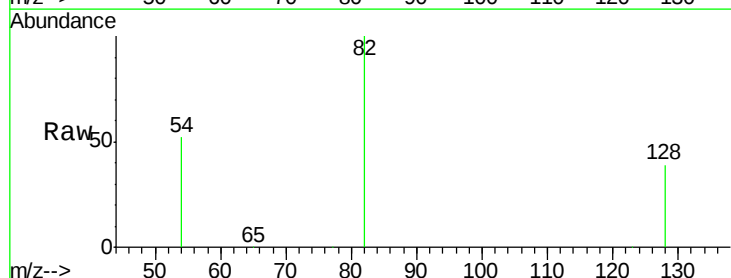
Acq: 3 Feb 2015 15:40

Tgt Ion: 82 Resp: 187277
Ion Ratio Lower Upper

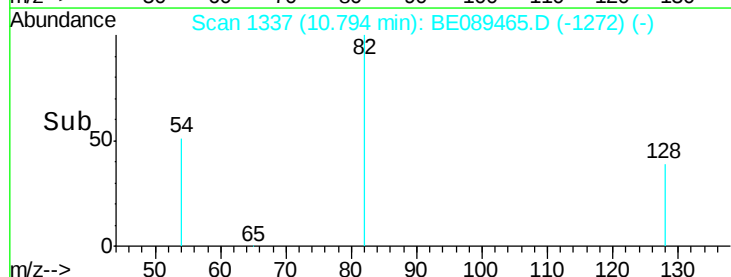
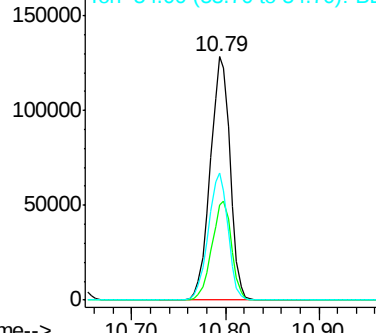
82 100

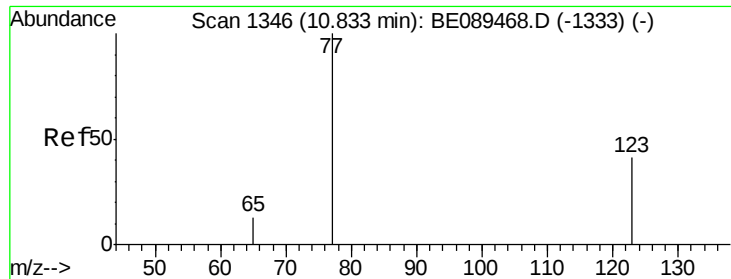
128 38.9 30.3 45.5

54 52.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 10.91 ng

RT: 10.84 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BE089465.D

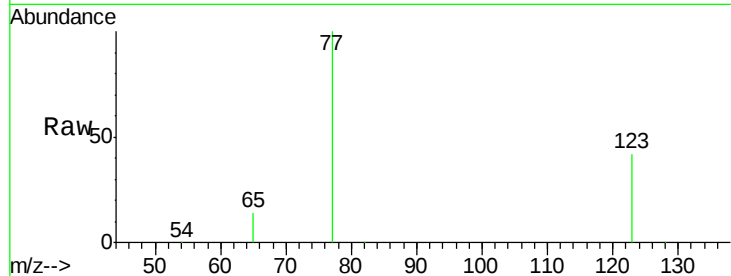
Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

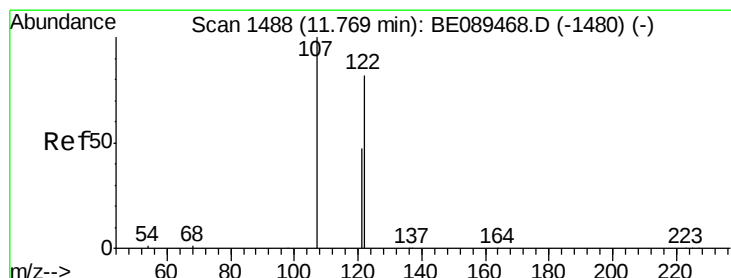
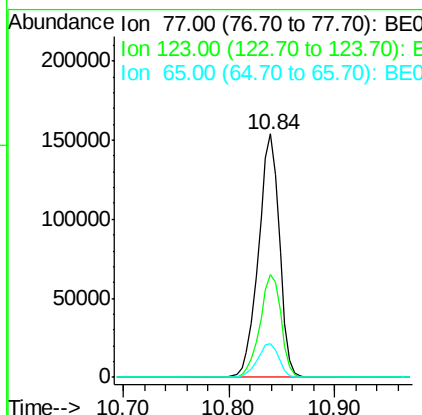
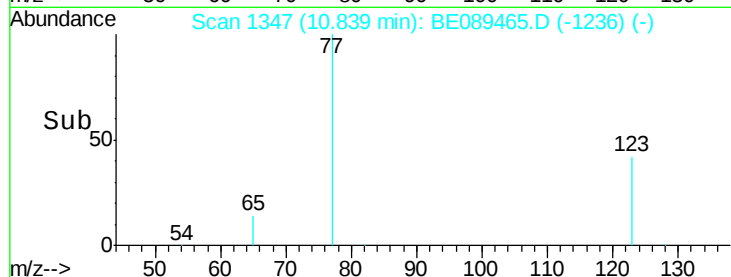
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Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.6	33.4	50.0
65	14.3	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 10.98 ng

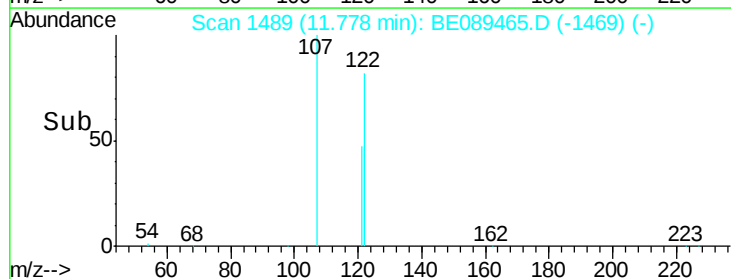
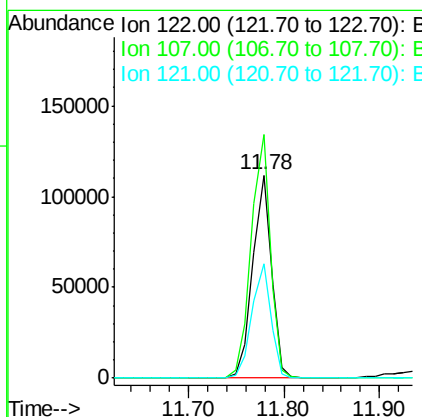
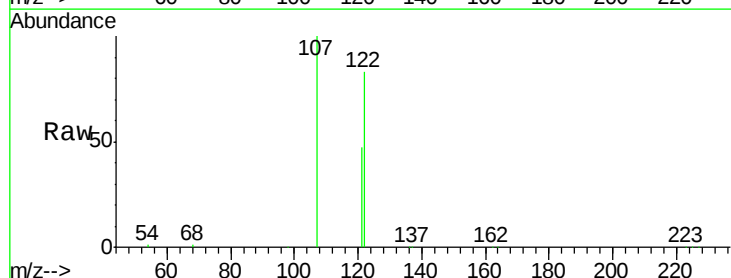
RT: 11.78 min Scan# 1489

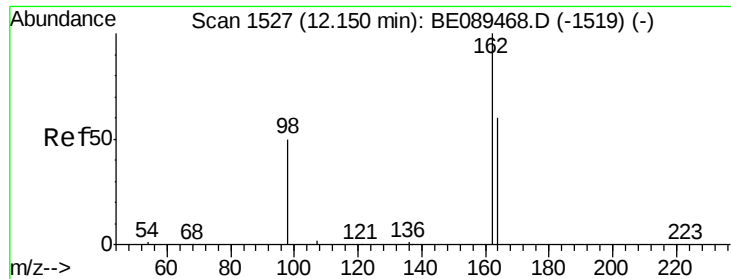
Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Lower	Upper
122	100		
107	120.1	97.3	145.9
121	56.5	46.4	69.6





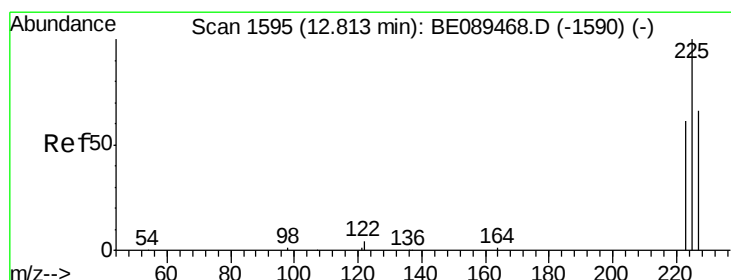
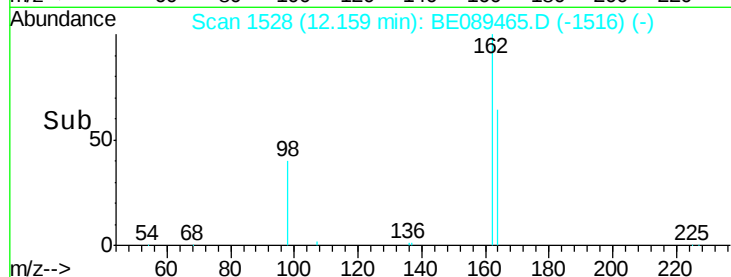
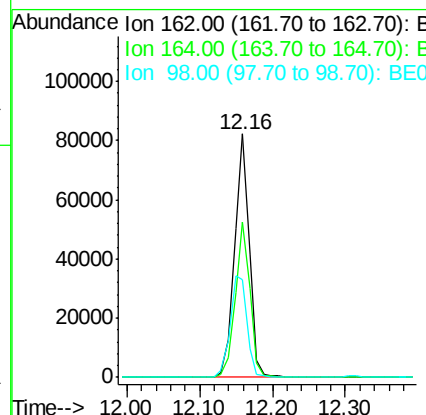
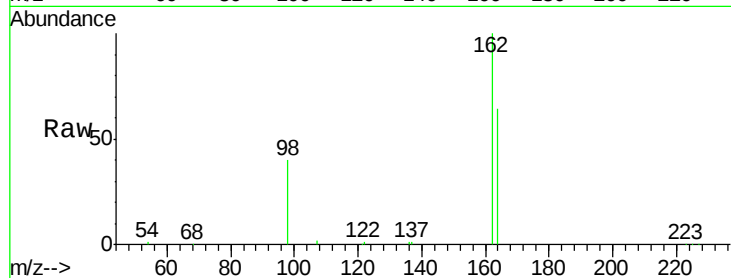
#11
 2,4-Dichlorophenol
 Concen: 11.00 ng
 RT: 12.16 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	115371		
164	63.8	39.9	79.9	
98	40.1	31.3	71.3	

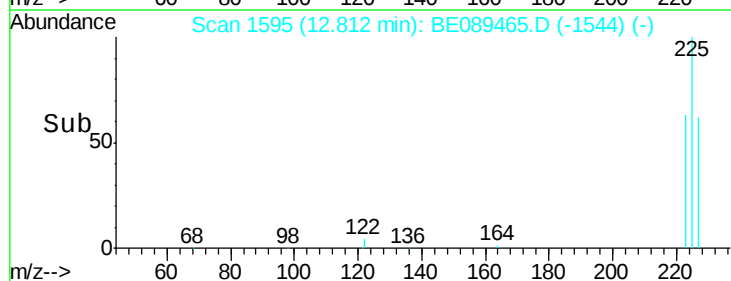
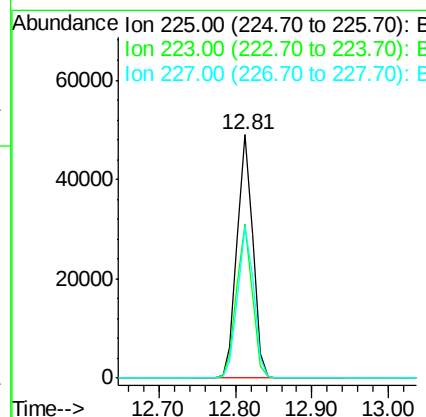
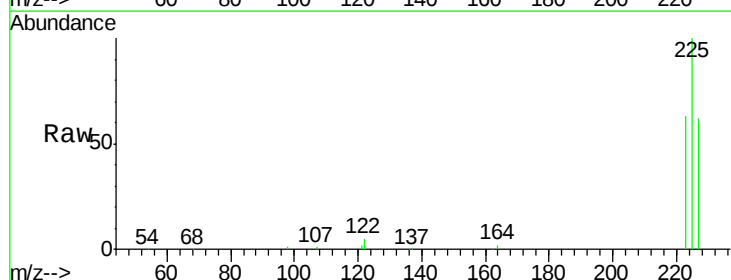
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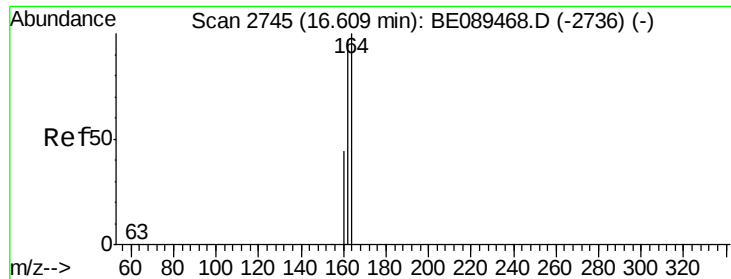
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#12
 Hexachlorobutadiene
 Concen: 9.43 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69576		
223	62.7	49.4	74.0	
227	63.2	51.2	76.8	





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

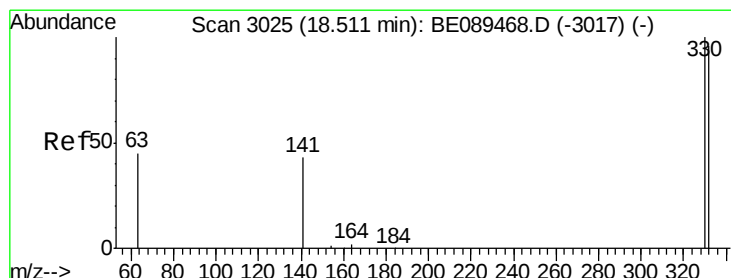
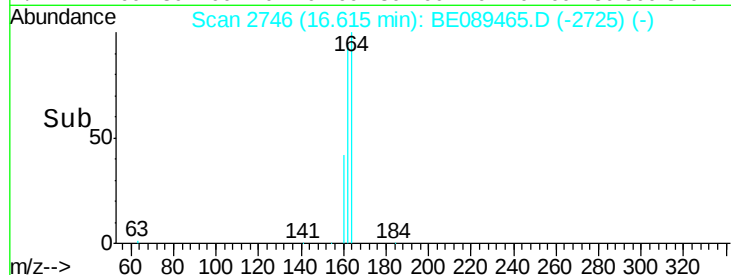
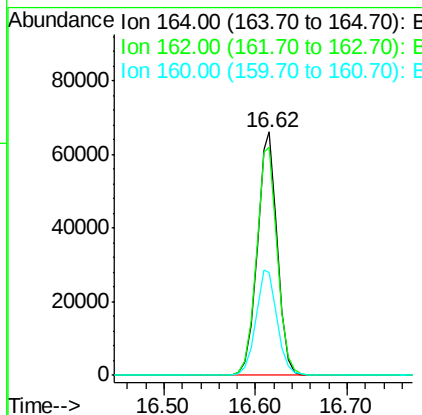
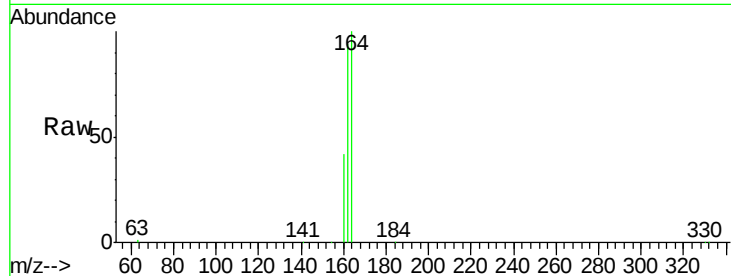
LabSampleId :

SSTDICC010

Tgt Ion:	164	Resp:	100469
Ion Ratio		Lower	Upper
164	100		
162	93.9	77.6	116.4
160	42.4	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 16.76 ng

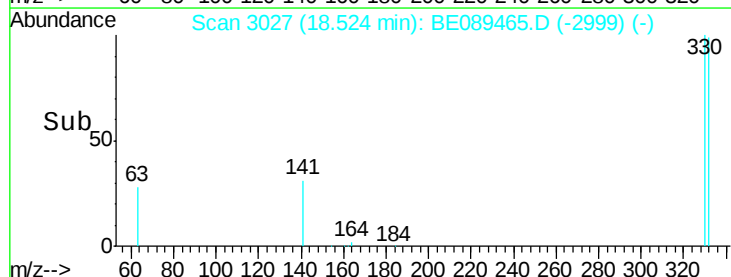
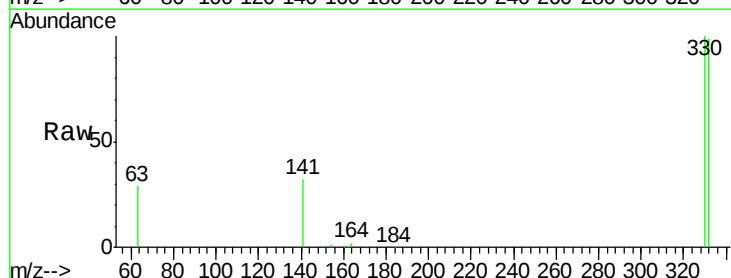
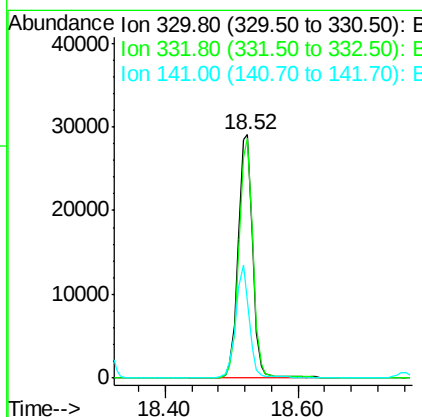
RT: 18.52 min Scan# 3027

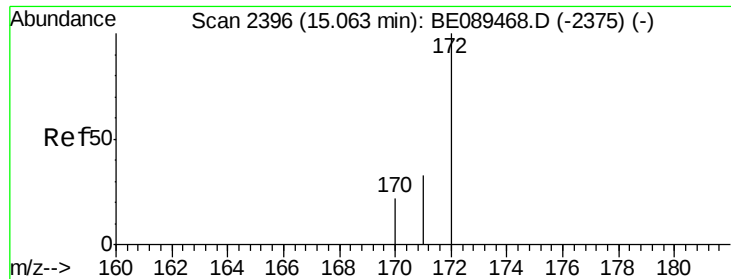
Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Tgt Ion:	330	Resp:	44014
Ion Ratio		Lower	Upper
330	100		
332	96.1	78.0	117.0
141	43.1	33.8	50.6





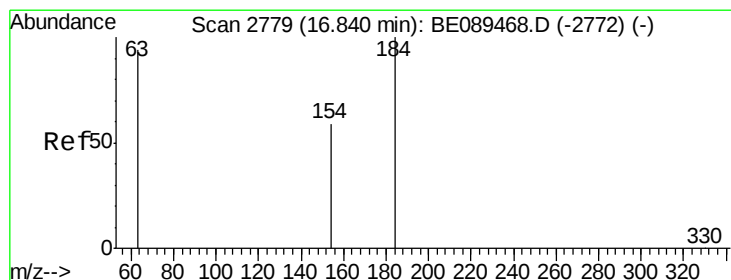
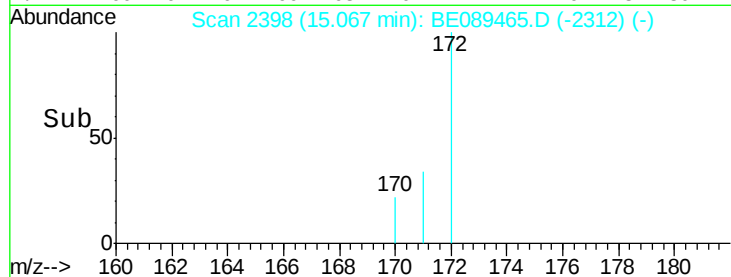
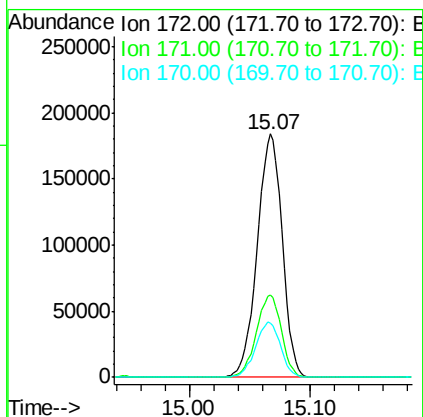
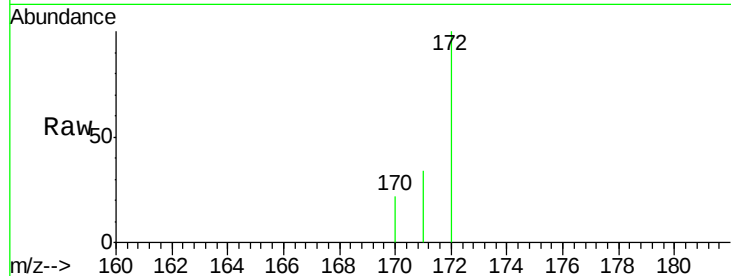
#15
2-Fluorobiphenyl
Concen: 9.37 ng
RT: 15.07 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.8	40.2
170	22.4	17.7	26.5

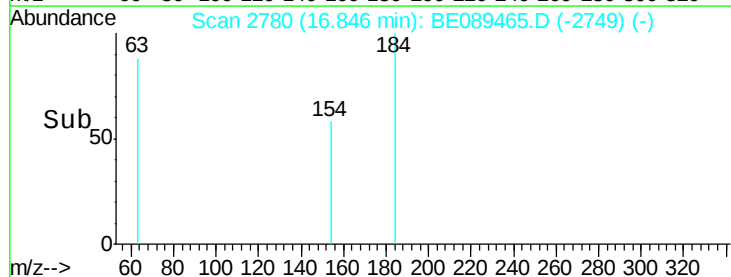
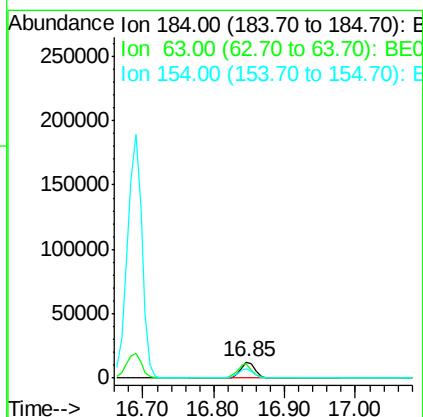
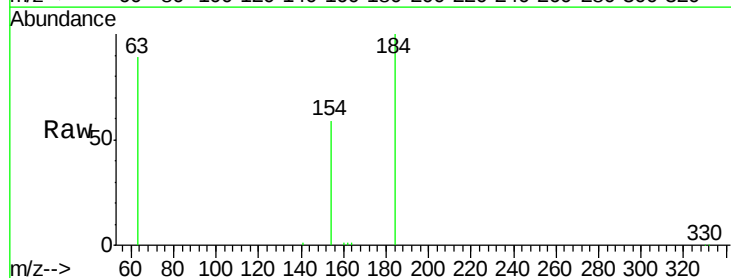
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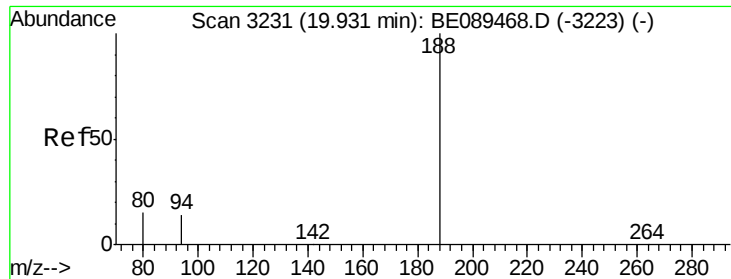
apatel
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#16
2,4-Dinitrophenol
Concen: 30.57 ng
RT: 16.85 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	89.2	92.1	138.1#
154	59.3	61.4	92.2#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.94 min Scan# 3232

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

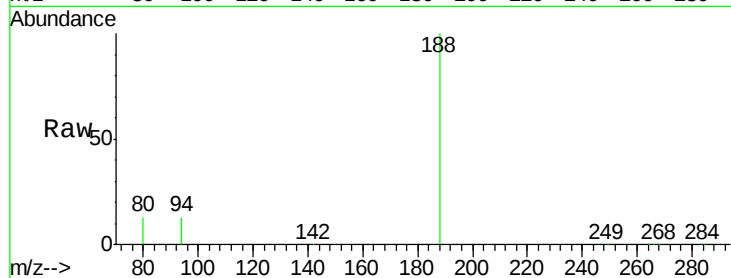
LabSampleId :

SSTDIC010

Tgt Ion:	188	Resp:	193248
Ion Ratio	Lower	Upper	
188	100		
94	13.0	11.1	16.7
80	13.3	11.8	17.6

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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

19.94

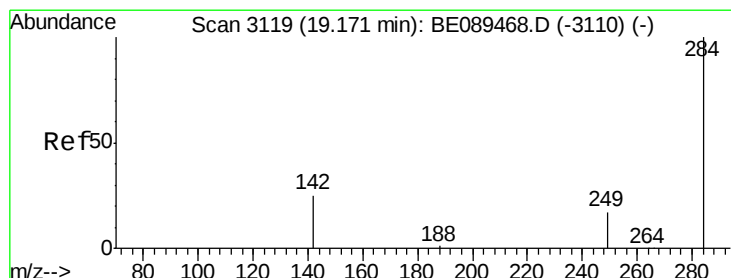
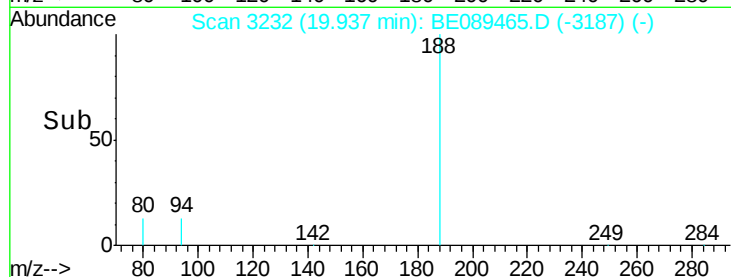
150000

100000

50000

0

Time--> 19.80 19.90 20.00



#18

Hexachlorobenzene

Concen: 9.50 ng

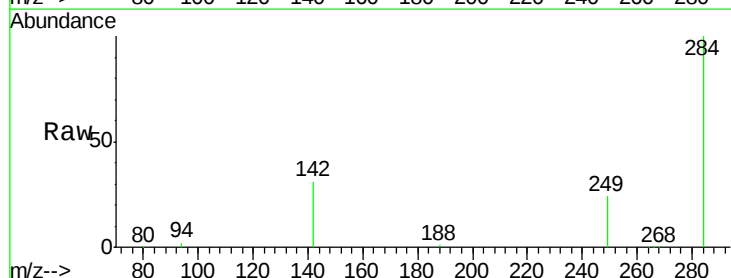
RT: 19.18 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Tgt Ion:	284	Resp:	96384
Ion Ratio	Lower	Upper	
284	100		
142	31.3	24.4	36.6
249	23.7	18.2	27.2



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

19.18

80000

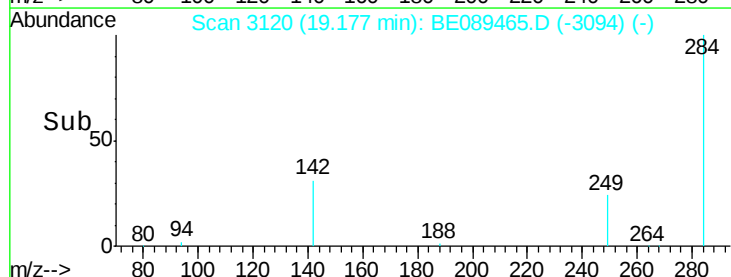
60000

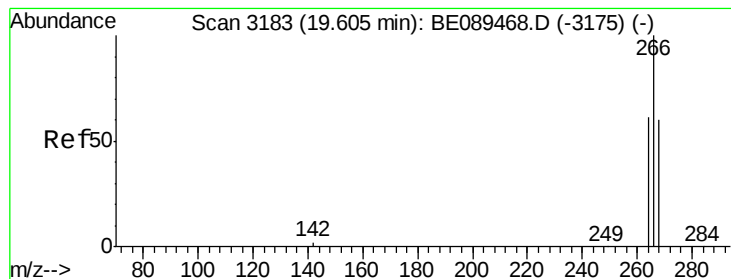
40000

20000

0

Time--> 19.00 19.10 19.20 19.30





#19

Pentachlorophenol

Concen: 31.38 ng

RT: 19.61 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE089465.D

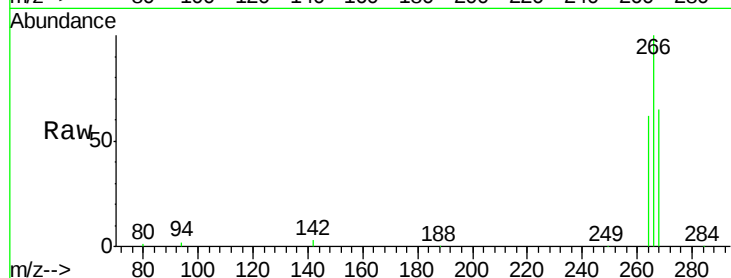
Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010



Tgt Ion: 266 Resp: 37402

Ion Ratio Lower Upper

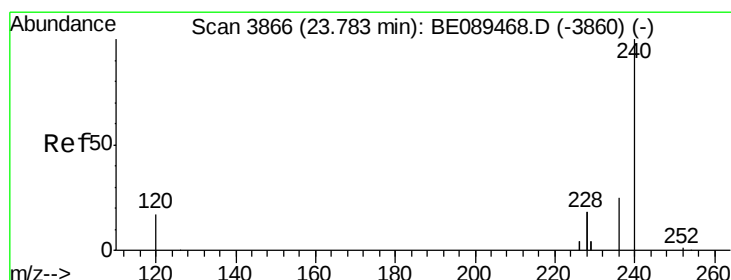
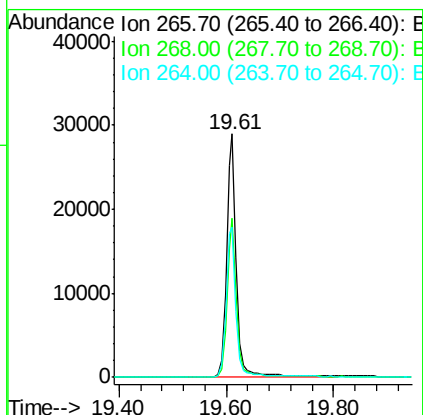
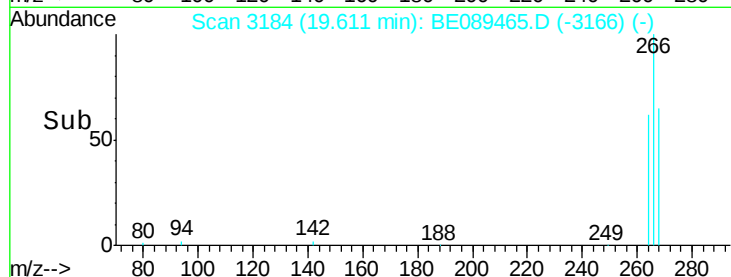
266 100

268 65.5 50.0 75.0

264 61.7 50.6 75.8

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#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.79 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

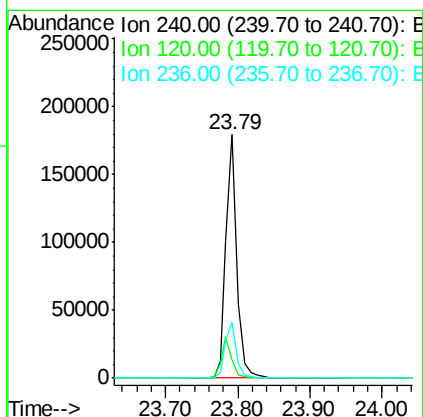
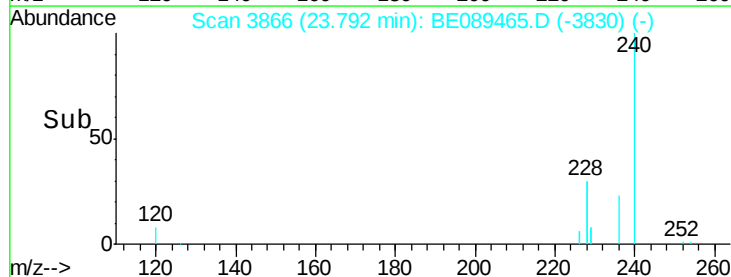
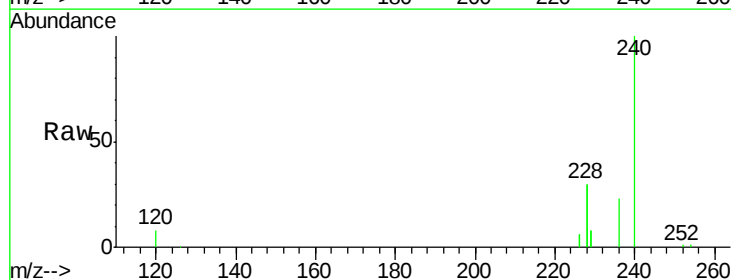
Tgt Ion: 240 Resp: 189871

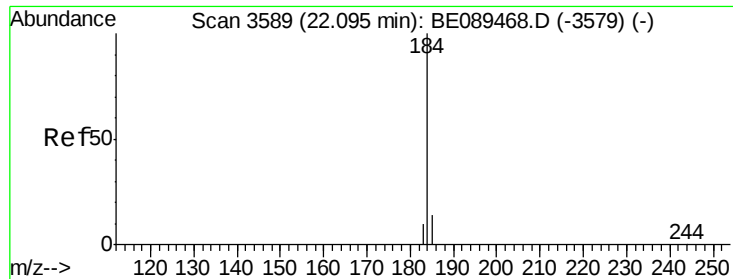
Ion Ratio Lower Upper

240 100

120 7.6 13.8 20.6#

236 22.8 20.2 30.2





#21

Benzidine

Concen: 7.01 ng

RT: 22.10 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

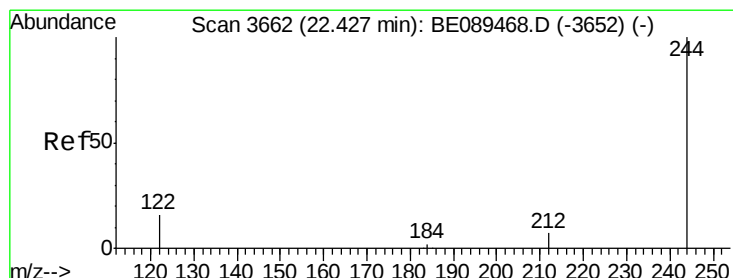
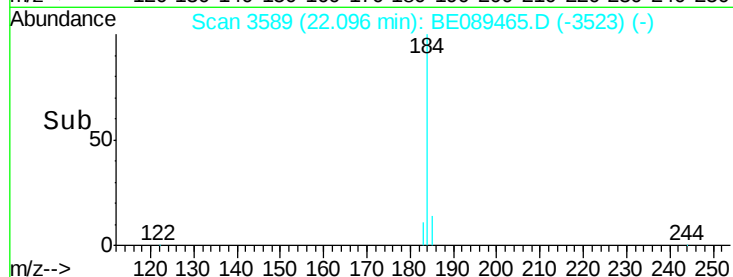
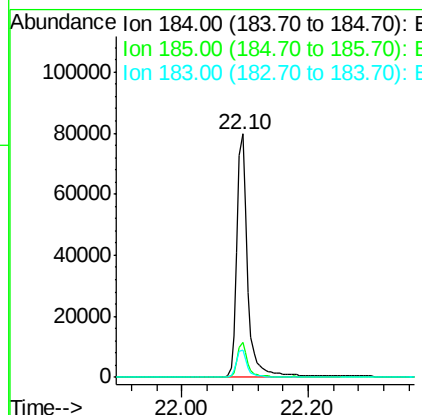
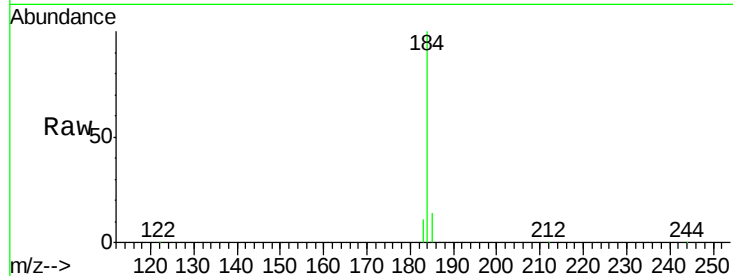
LabSampleId :

SSTDICC010

Tgt Ion:	184	Resp:	94872
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	11.0	9.0	13.4

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#22

Terphenyl-d14

Concen: 12.94 ng

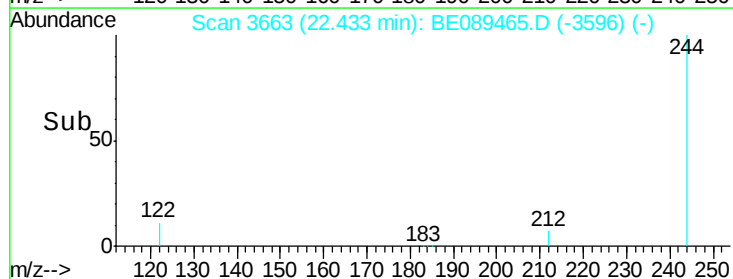
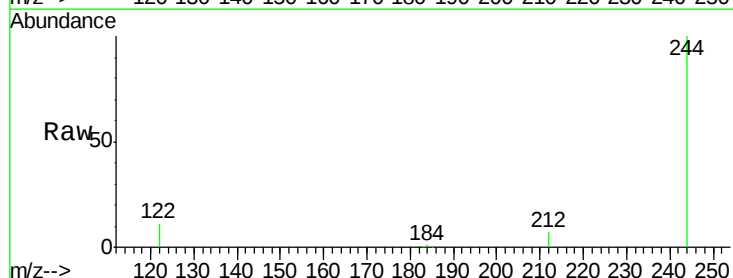
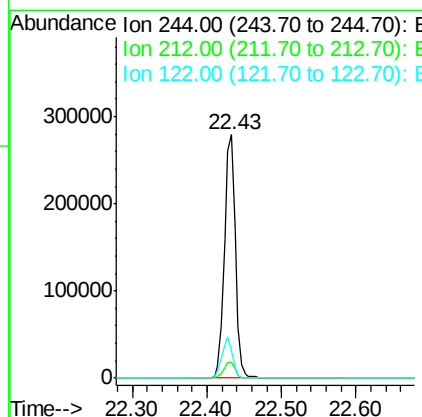
RT: 22.43 min Scan# 3663

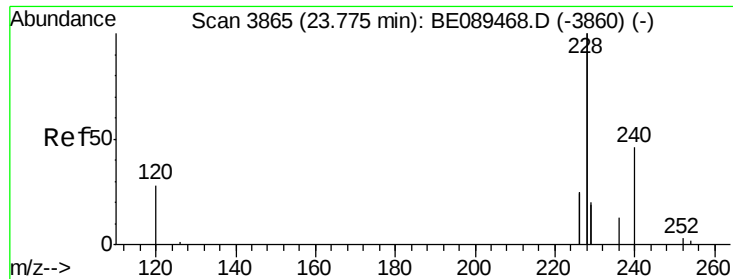
Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Tgt Ion:	244	Resp:	283211
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.5	8.3
122	11.4	12.6	19.0





#23

Benzo(a)anthracene

Concen: 11.59 ng

RT: 23.78 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

Tgt Ion:228 Resp: 1775482

Ion Ratio Lower Upper

228 100

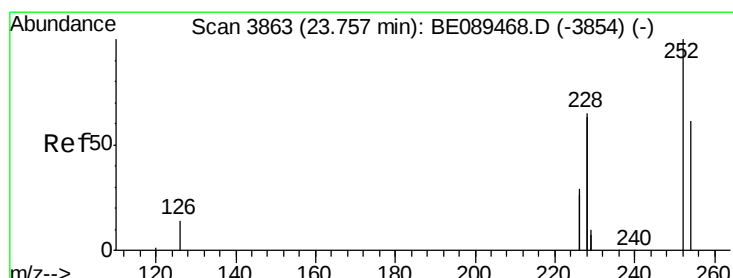
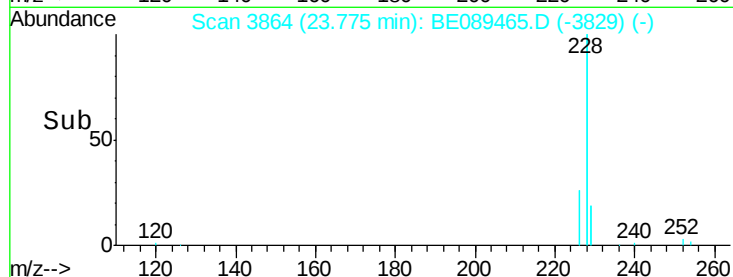
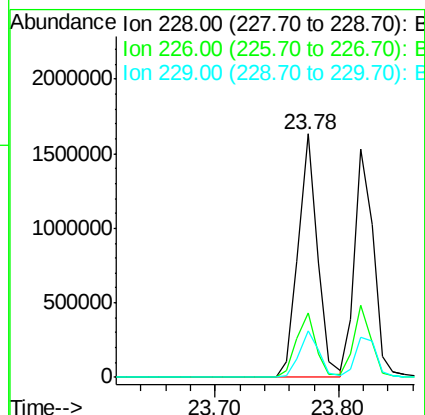
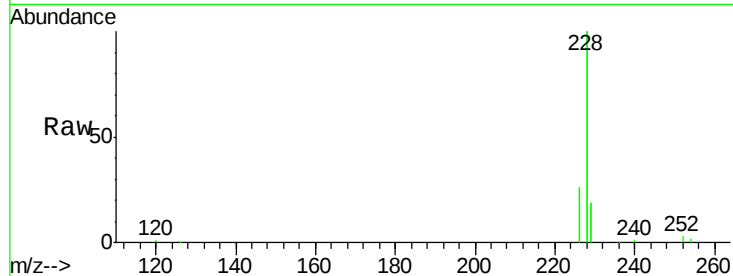
226 26.4 19.6 29.4

229 19.3 15.9 23.9

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#24

3,3'-Dichlorobenzidine

Concen: 11.91 ng

RT: 23.77 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

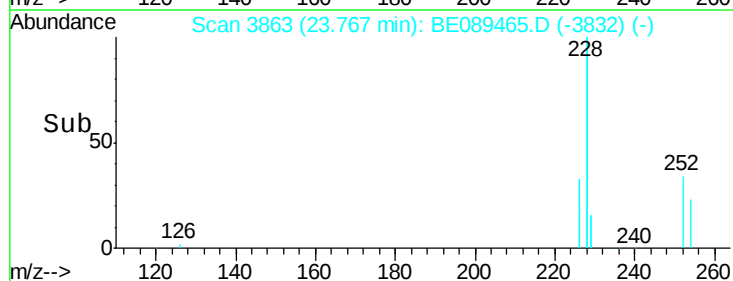
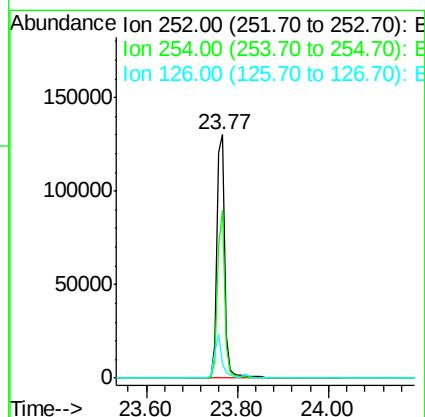
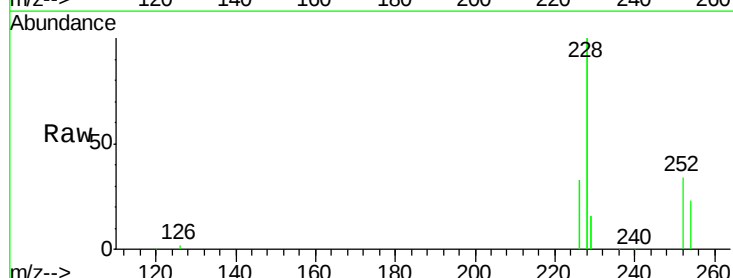
Tgt Ion:252 Resp: 160472

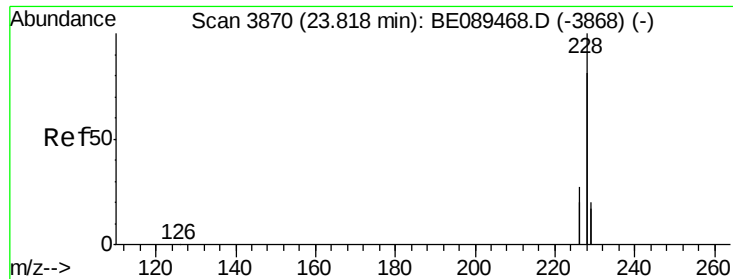
Ion Ratio Lower Upper

252 100

254 69.2 48.6 73.0

126 5.7 12.4 18.6#





#25

Chrysene

Concen: 9.07 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

Tgt Ion:228 Resp: 1665393

Ion Ratio Lower Upper

228 100

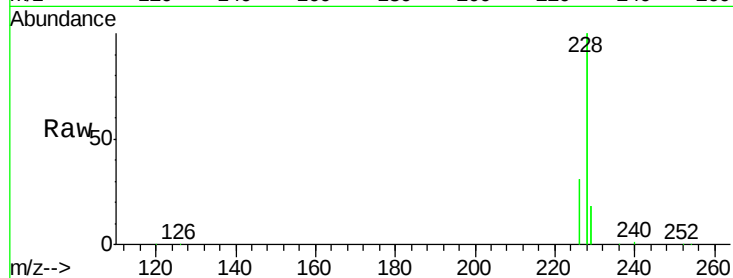
226 31.3 21.8 32.8

229 17.8 16.2 24.2

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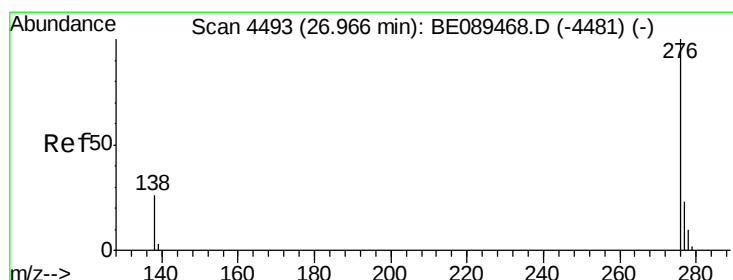
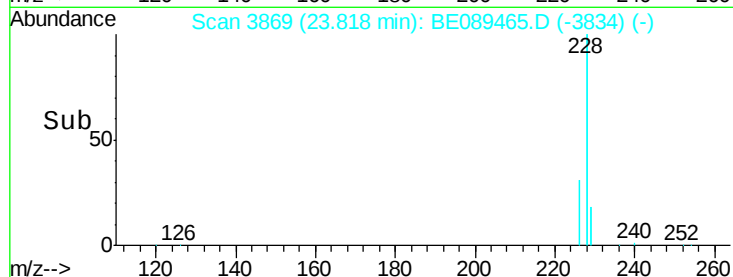
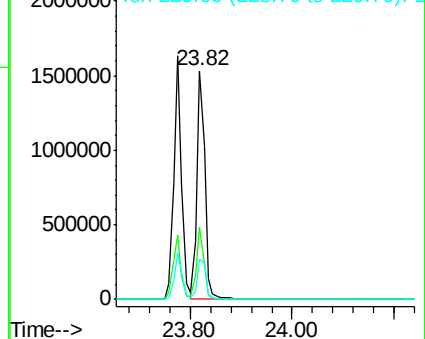
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 9.28 ng

RT: 26.97 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

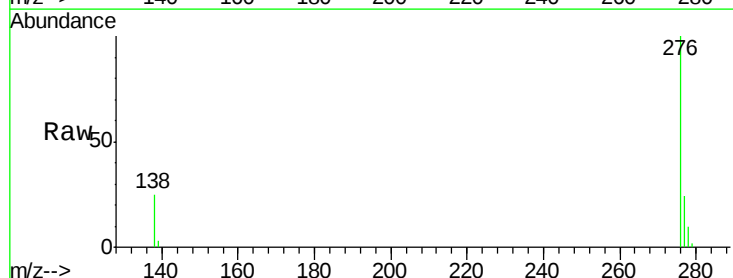
Tgt Ion:276 Resp: 498940

Ion Ratio Lower Upper

276 100

138 31.0 24.2 36.4

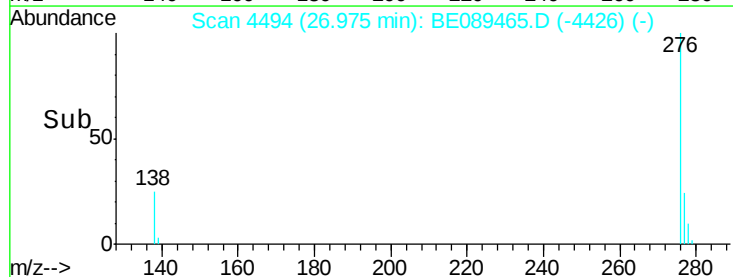
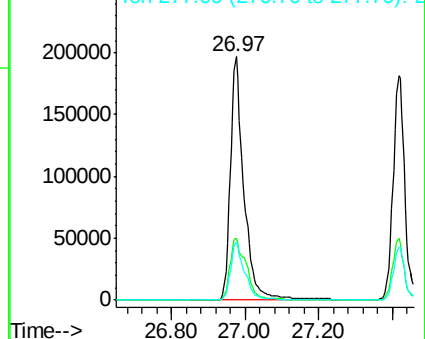
277 25.0 19.9 29.9

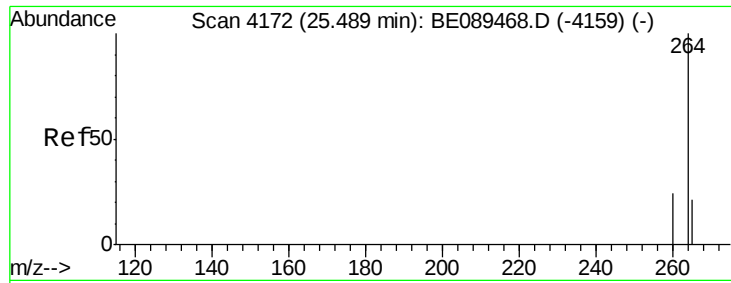


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

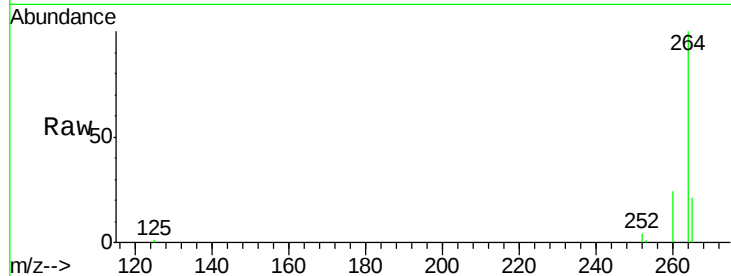
Ion 277.00 (276.70 to 277.70): E





#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4171
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

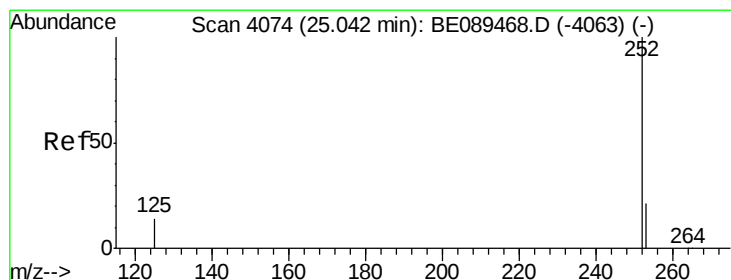
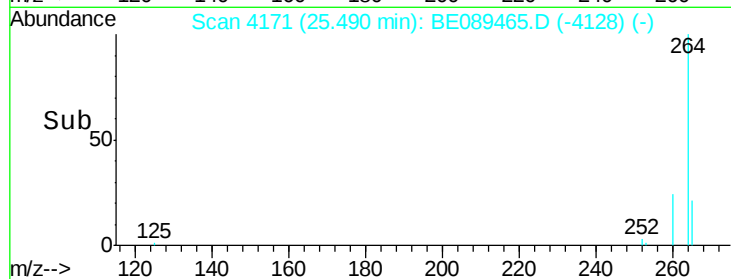
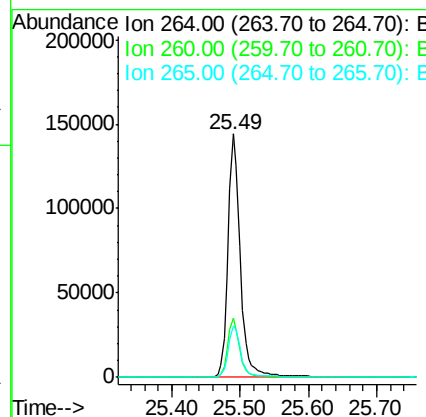
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	180237		
260	24.1	19.1	28.7	
265	21.2	17.0	25.6	

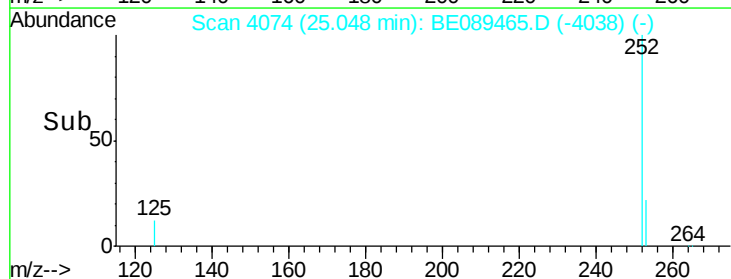
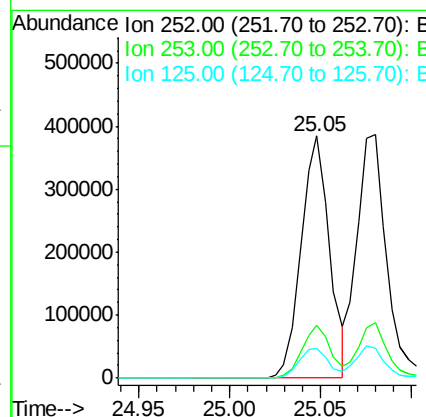
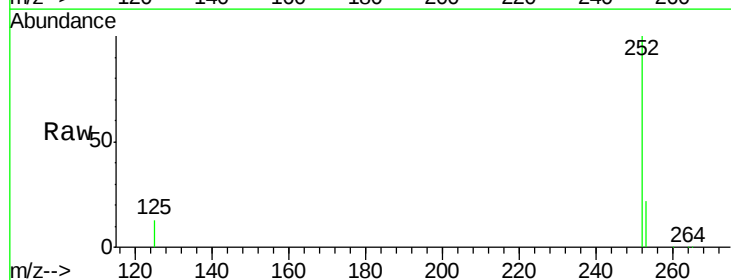
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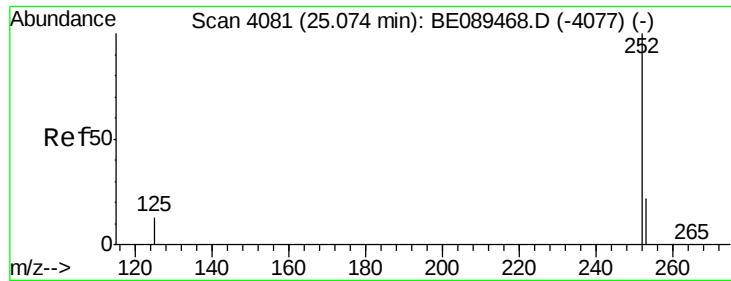
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#28
Benzo(b)fluoranthene
 Concen: 16.80 ng
 RT: 25.05 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	413295		
253	21.7	17.4	26.2	
125	12.5	11.3	16.9	





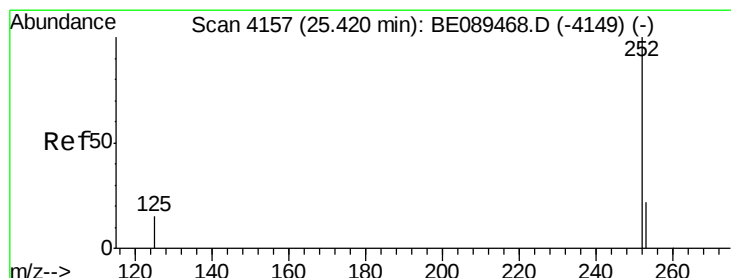
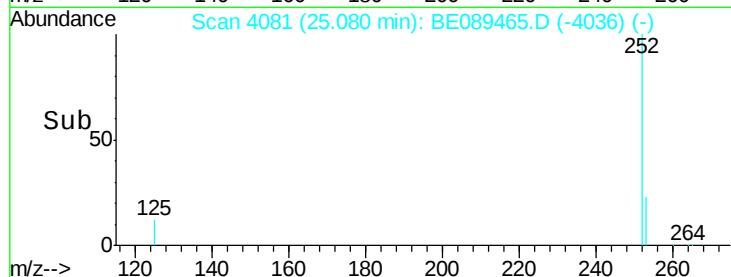
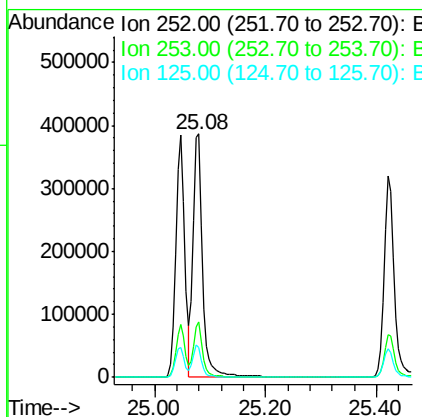
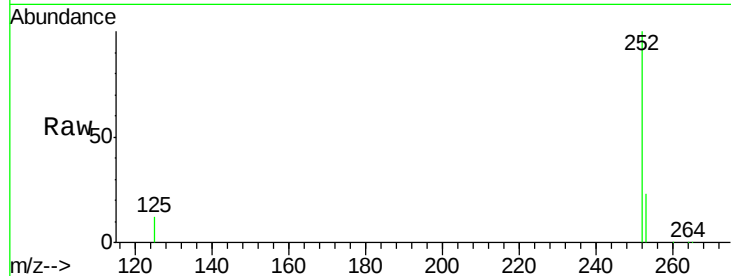
#29
Benzo(k)fluoranthene
Concen: 10.17 ng
RT: 25.08 min Scan# 4081
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Instrument :
BNA_E
LabSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.2	10.6	15.8

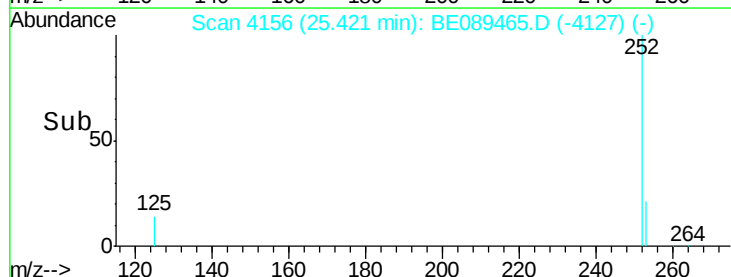
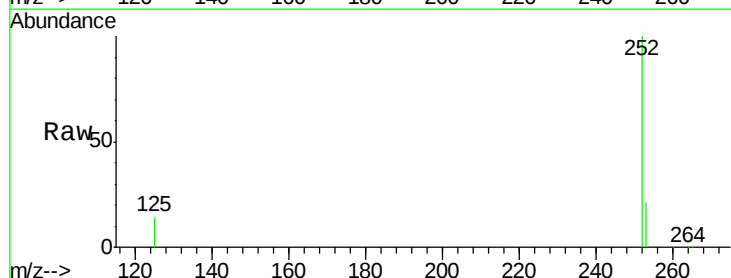
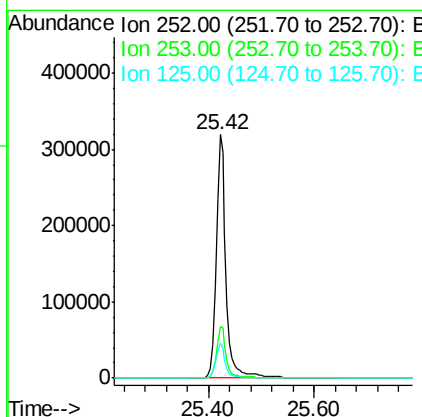
Manual Integrations
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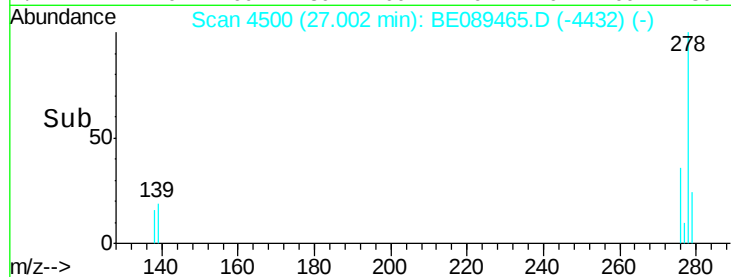
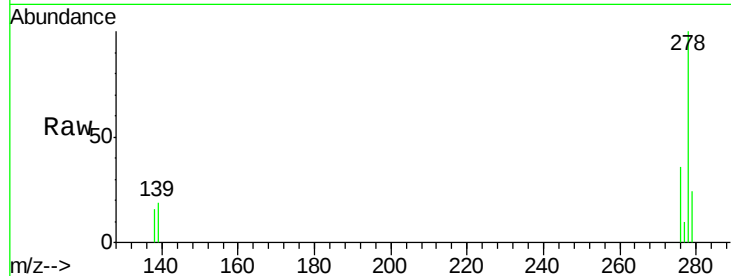
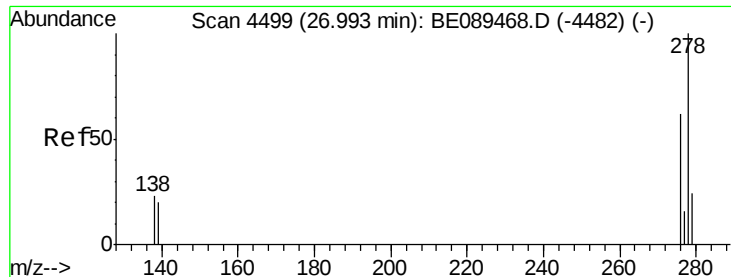
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#30
Benzo(a)pyrene
Concen: 14.76 ng
RT: 25.42 min Scan# 4156
Delta R.T. 0.00 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2
125	14.3	12.2	18.4





#31

Dibenzo(a,h)anthracene

Concen: 12.95 ng

RT: 27.00 min Scan# 4500

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

Tgt	Ion	278	Resp	428190
Ion	Ratio	Lower	Upper	
278	100			
139	19.2	16.8	25.2	
279	23.6	19.4	29.0	

Manual Integrations
APPROVED

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